Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	03/28/2019 11:22 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124269	-1	2.17	124310	2.18
Blue	F	SSC	125000	124319	-1	3.64	125213	3.64
Blue	E	FITC	16694	16553	-1	3.71	385	22.81
Blue	D	PE	32792	32340	-2	2.89	716	16.88
Blue	B	PerCP-Cy5-5	44451	44255	-1	4.73	1220	23.45
Blue	A	PE-Cy7	33645	33715	0	7.08	602	48.93
Red	C	APC	47008	46744	-1	3.09	1807	13.78
Red	A	APC-Cy7	32298	31532	-3	2.90	785	14.25
Violet	B	V450	8961	8689	-4	4.62	608	14.49
Violet	A	V500	32726	31624	-4	4.31	789	12.25

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20646	6.26	610	-3	N/A	N/A	Pass
Blue	F	SSC	56332	3.36	584	16	N/A	N/A	Pass
Blue	E	FITC	63	75.85	569	6	0.0142	159	Pass
Blue	D	PE	141	60.86	573	7	0.1247	316	Pass
Blue	B	PerCP-Cy5-5	222	60.29	677	6	0.0072	131	Pass
Blue	A	PE-Cy7	115	127.35	732	6	0.0089	36	Pass
Red	C	APC	411	29.39	615	2	0.0179	112	Pass
Red	A	APC-Cy7	193	32.64	585	0	0.0046	1232	Pass
Violet	B	V450	137	43.24	480	-6	0.0267	1665	Pass
Violet	A	V500	124	43.53	490	-6	0.0171	2020	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.80	-32.10	1.14
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.48
Red	16.47	13.60 - 20.40	N/A	N/A	28.95	29.67	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9907

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments